

JCWSCS 16 JAN 2004

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TO 2#314#9170374691 P.01/11



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Re:	Request for Corrected Filing Receipt		

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Date of Signature and Deposit: January 16, 2004


Nicholas J. Seay, Reg. No. 27,386

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Richard Oko Peter Sutovsky	Date:	January 16, 2004
Serial No.:	09/864,291	Art Unit:	1653
Filed:	May 25, 2001	Examiner:	Chih Min Kam
Title:	PT32 Sperm Protein, Sperm C-Yes, Oocyte Cytoplasmic C-Yes, and Uses Thereof	File No.:	411044.90111

REQUEST FOR CORRECTED FILING RECEIPT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In connection with the filing of the above-identified application, a corrected filing receipt is requested. Applicants note that the originally filed application included on page 1, paragraph [0001] of the application a Cross-Reference to Related Applications claiming priority to U.S. provisional application no. 60/206,979 filed May 25, 2000 (copy enclosed herewith).

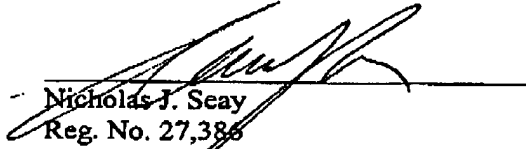
On June 11, 2002 the applicants filed a Petition for Late Entry of Priority Claim and/or Priority Papers under 37 C.F.R. §1.55(a) also claiming priority to Canadian Application No. 2,307,128 filed May 25, 2000 (copy enclosed herewith). The requisite petition fees were paid under 37 C.F.R. 1.17(i) and a certified copy of the prior Canadian application was also enclosed therewith.

Furthermore, the Declaration identified both the foreign application and U.S. provisional application, on which priority is claimed (copy enclosed herewith). The domestic

and foreign priority data as claimed by the applicants were not included on the Filing Receipt dated August 6, 2001 received by the applicants.

Accordingly, applicants respectfully request correction of the Filing Receipt to include these two priority documents.

Respectfully submitted,



Nicholas J. Seay
Reg. No. 27,388
Attorney for Applicant
QUARLES & BRADY LLP
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Madison, WI 53701-2113

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Oko *et al.*

Appl. No. 09/864,291

Filed: May 25, 2001

For: PT32 Sperm Protein, Sperm C-
Yes, Oocyte Cytoplasmic C-Yes,
and Uses Thereof

Confirmation No. 1258

Art Unit: 1646

Examiner: To Be Assigned

Airy. Docket: 1669.0050001/EEF/RCM

**Petition for Late Entry of Priority Claim and/or Priority Papers
Under 37 C.F.R. § 1.55(a)**

Commissioner for Patents
Washington, D.C. 20231

Attn: Petitions Examiner Office of the
Deputy Assistant Commissioner for Patents

Sir:
Applicants petition for late entry of priority claim and/or priority papers under 37

C.F.R. § 1.55(a). Priority is hereby claimed to:

Country	Application No.	Filing Date
Canada	2,307,128	May 25, 2000

A certified copy of the application(s) from which priority is claimed

☐ has been filed on _____ or is found in priority application no. ____

☒ is enclosed.

An inventors' Declaration containing this priority claim

☐ accompanies this petition.

☒ was filed on October 9, 2001.

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13-01-04 11:06AM FROM-GOWLING

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+613-583-9869 T-156 P.05/09 F-136

- 2 -

Oko et al.
Appl. No. 09/864,291

The petition fee as set forth under 37 C.F.R. § 1.17(i) is to be paid as follows:

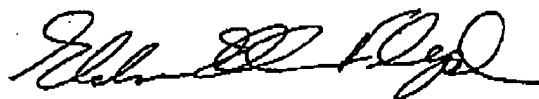
☒ Our Check No. 35424 for \$130.00 is attached.

☐ Charge Deposit Account No. 19-0036 for _____. A duplicate copy of the petition is attached.

Applicants hereby authorize the U.S. Patent and Trademark Office to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Eldora Ellison Floyd
Attorney for Applicants
Registration No. 39,967

Date: 6/1/02

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-65-

**PT32 Sperm Protein, Sperm c-Yes, Oocyte Cytoplasmic
c-Yes, and Uses Thereof**

Abstract

The perinuclear theca 32 (PT32) protein is disclosed and shown to interact with tyrosine kinase c-Yes. PT32, c-Yes, fragments thereof, and molecules that bind thereto can be used in methods of enhancing fertility, treating or diagnosing diminished fertility and abnormal spermiogenesis, in providing contraception, and in identifying contraceptive and fertility-enhancing agents. Transgenic, non-human animals also are disclosed.

A77642.v32.wpd

DECLARATION

As the below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names.

We believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled

PT32 Sperm Protein, Sperm c-Yes, Oocyte Cytoplasmic c-Yes, and Uses Thereof

the specification of which was filed May 25, 2001 as Serial Number 09/864,291.

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims.

We acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

Prior Foreign Application

<u>2,307,128</u>	<u>Canada</u>	<u>May 25, 2000</u>	Priority
(Number)	(Country)	(Month/Day/Year Filed)	<u>Claimed</u>
			[X] []
			Yes No

Prior U.S. Application

<u>60/206,979</u>	<u>U.S.</u>	<u>May 25, 2000</u>	Priority
(Number)	(Country)	(Month/Day/Year Filed)	<u>Claimed</u>
			[X] []
			Yes No

<u> </u>	<u> </u>	<u> </u>	Priority
(Number)	(Country)	(Month/Day/Year Filed)	<u>Claimed</u>
			[] []
			Yes No

POWER OF ATTORNEY

We hereby appoint Robert Greene Sterne, Reg. No. 28,912; Edward J. Kessler, Reg. No. 25,688; Jorge A. Goldstein, Reg. No. 29,021; David K.S. Cornwell, Reg. No. 31,944; Robert W. Esmond, Reg. No. 32,893; Tracy-Gene G. Durkin, Reg. No. 32,831; Michele A. Cimbala, Reg. No. 33,851; Michael B. Ray, Reg. No. 33,997; Robert E. Sokohl, Reg. No. 36,013; Eric K. Steffe, Reg. No. 36,688; Michael Q. Lee, Reg. No. 35,239; Steven R. Ludwig, Reg. No. 36,203; John M. Covert, Reg. No. 38,759; and Linda E. Alcorn, Reg. No. 39,588, care of Sterne, Kessler, Goldstein & Fox, P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C., 20005-3934 as our attorneys or agents to prosecute this application, to make alterations and amendments therein, to receive the patent and all correspondence relating to this application, and to transact all business in the United States Patent and Trademark Office connected therewith, and the said attorney or agent is hereby given full power of substitution and revocation.

Please address all correspondence concerning this application to Jorge A. Goldstein, Sterne, Kessler, Goldstein & Fox P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C., 20005-3934.

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first joint inventor: OKO, Richard

Richard F. Oko
First Inventor's Signature

September 27/01 Canada
Dated / Citizenship

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3

Full name of second joint inventor: SUTOVSKY, Peter

Peter Sutofsky
Second Inventor's Signature

10-1-01 Slovakia
Dated Citizenship

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Residence and Post Office Address

PT32 SPERM PROTEIN, SPERM C-YES, OOCYTE CYTOPLASMIC
C-YES, AND USES THEREOF

Inventors: Richard Oko
Peter Sutovsky

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority under 35 U.S.C. §119(e) from U.S. provisional application no. 60/206,979, filed May 25, 2000, which is incorporated herein by reference.

STATEMENT REGARDING FEDERALLY-SPONSORED
RESEARCH AND DEVELOPMENT

[0002] Part of the work performed during development of this invention utilized U.S. Government funds, awarded by the National Institutes of Health (Grant No. R-21, RR14293-01) and by the United States Department of Agriculture (New Investigator Award #99-35203-7785). The U.S. Government has certain rights in this invention

BACKGROUND OF THE INVENTION

Field of the Invention

[0003] The invention relates to proteins of the mammalian sperm and oocyte, and uses thereof, e.g., in enhancing fertility and in contraception.

Background Art

[0004] Oocyte activation in mammals encompasses the resumption of second meiosis and the activation of anti-polyspermy defense, which are accompanied by calcium oscillations periodically crossing oocyte cytoplasm (reviewed by Schultz, R. M., and Kopf, G. S., "Molecular basis of mammalian egg activation,"